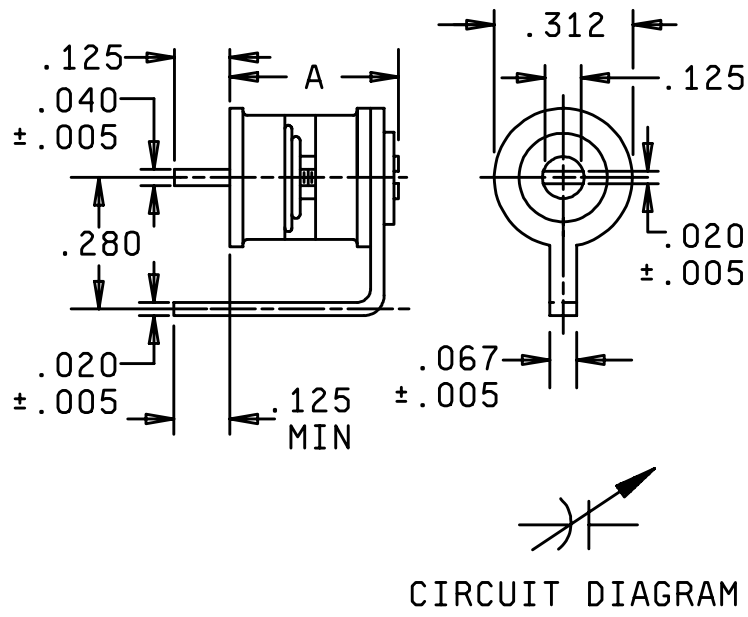


PERFORMANCE SPECIFICATION SHEET

CAPACITORS, VARIABLE (PISTON TYPE,
TUBULAR TRIMMER), STYLE PC17

This specification sheet is approved for use by all Departments
and Agencies of the Department of Defense.

The requirements for acquiring the capacitors described herein shall consist
of this document and the latest issue of specification MIL-PRF-14409.



Inches	mm	Inches	mm
.005	0.13	.067	1.70
.016	0.41	.125	3.18
.020	0.51	.280	7.11
.040	1.02	.312	7.92

- NOTES:
1. Dimensions are in inches.
 2. Metric equivalents are for information only.
 3. Unless otherwise specified, tolerance is $\pm .016$ (0.41 mm).

FIGURE 1. Dimensions and configuration.

MIL-PRF-14409/17A

REQUIREMENTS:

Dimensions and configuration: See figure 1 and table I.

DC voltage rating: 250 volts.

Construction: Glass, O-ring sealed.

Dielectric: Glass.

Capacitance range: See table I.

Insulation resistance: Shall be not less than 1,000,000 megohms at room ambient temperature and not less than 100,000 megohms at 125°C.

Test condition - 250 volts ± 10 percent.

Quality factor (Q): See table I.

Driving torque: Greater than or equal to 0.5 and less than or equal to 5.0 ounce-inches from -55°C to +125°C.

Thermal shock: Method 107 of MIL-STD-202, test condition A, except step 3 temperature shall be 125° ± 5 °C.

Immersion: Method 104 of MIL-STD-202, test condition A.

Resistance to soldering heat: In accordance with MIL-PRF-14409.

Seal: In accordance with MIL-PRF-14409.

TABLE I. Type designation and characteristics.

Type designation	Capacitance range		Q minimum	Dimensions A \pm .030
	Min	Max		
	<u>pF</u>	<u>pF</u>		
PC17J5R5	1.0	5.5	1000	.390
PC17J8R5	1.0	8.5	650	.535
PC17G100	1.5	10	800	.340
PC17G200	1.5	20	800	.410
PC17G300	1.5	30	800	.490
PC17G400	1.5	40	800	.600

Custodians:

Army - CR

Navy - EC

Air Force - 11

Preparing activity:

DLA - CC

Review activities:

Navy - AS, MC, OS

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